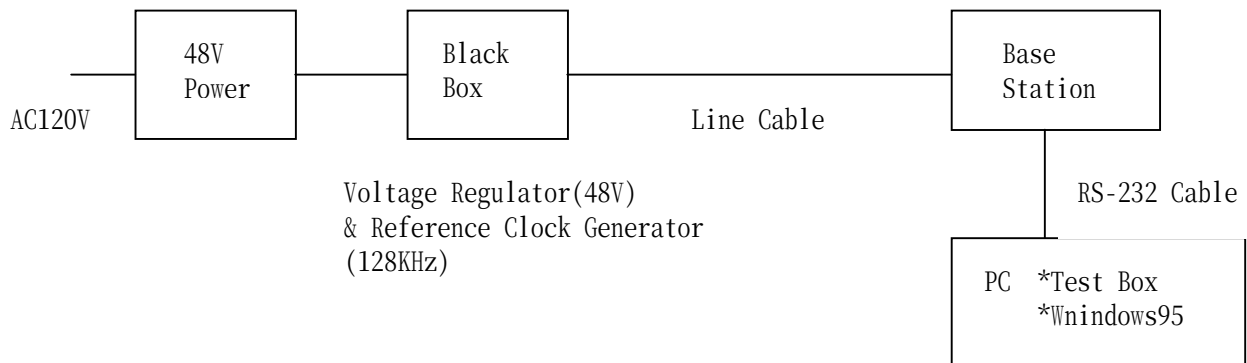


TEST BOX3 OPERATION MANUAL (Testing Tool for TDMA Wireless Base Station)

1. Test Configuration



2. Basic Operation of TEST BOX3

- (1) Click [Start] bar on the Windows95.
- (2) Select [program] and click [Test Box3] for the test box program.
This test box3 program controls the radio transceiver of the base station.
- (3) After the startup of the test box, the screen whether to select 800MHz or 1.9GHz is indicated.
Select the base station to test and click [OK].
- (4) Connect two cables(Power cable and PC cable) to the connectors of the base station.(Powered)
Wait about 2 minutes until S/W download finishes.
The screen like below is displayed after the S/W download.

About 90 seconds after power ON, "0123456789" appears as follows.

0123456789

```

=====
Wireless Base Station Unit(WBSU)    [BOOT2 Program]
WBSU TEST BOX (Maintenance terminal of WBSU)
=====
    
```

```

-----
COPYRIGHT (C) 1998,1999 MITSUBISHI ELECTRIC CORPORATION ALL RIGHTS RESERVED
COPYRIGHT (C) 1998,1999 MITSUBISHI WIRELESS COMMUNICATIONS ALL RIGHTS RESERVED
=====
    
```

Serial No. : FFFFFFFFFFFFFFFF11FFF006

HardWare Revision : 460F
19.2MHz Chattering Counter : 100

External Version:

No	Name	yyyy/mm/dd	hh:mm:ss	Version	data-sum	address	size
00	BOOT1	1999/08/26	02:58:46	000.153	0x4CFF	0x00F00000	050508
01	DSPTEST	1998/05/19	00:01:18	001.000	0xA264	0x00002000	049152
02	BOOT2	2000/02/07	11:04:26	002.019	0x60C6	0x00F20000	162430
03	M2003	2000/02/08	08:20:17	203.079	0x9F96	0x00003D00	034304
04	QDSP504	1999/09/02	06:41:58	005.004	0x1882	0x00001800	024576
05	APL	2000/02/07	06:18:58	002.019	0xCF8B	0x00F70000	390074
06	DSPBOOT	1998/04/07	01:56:19	000.001	0x4482	0x00001000	002984
07	M1SYS	2000/02/10	19:59:58	001.006	0xBAB3	0x00000080	002556
08	M2SYS	2000/02/10	20:06:55	001.006	0x2DA8	0x00000080	002556
09	Q1SYS	1999/09/07	02:57:44	005.008	0x69E8	0x00000080	001024
10	Q2SYS	1999/09/07	02:57:44	005.008	0x69E8	0x00000080	001024

```

BOOT2>0000012B [MNG] Carrier 1 TX OFF
BOOT2>0000012B [MNG] Carrier 2 TX OFF
BOOT2>0000023E [MNG] Carrier 1 DSP Download OK
BOOT2>00000351 [MNG] Carrier 2 DSP Download OK
BOOT2>00000351 [MNG] Send to IL2 : DL Link Enable Request. (SAPI=30 TEI=0)
BOOT2>00000352 [MNG] Send to IL2 : DL Link Enable Request. (SAPI=62 TEI=0)
BOOT2>
(Startup finished.)

```

- (5) Click [TRX Setting] button on top left in the menu screen.
- (6) The screen to set Frequency, Transmission power level etc. is displayed.
Set each item a parameter necessary to operate the base station.
- (7) After setting above parameters, click [OK] at the bottom of the screen.
The parameter information will be sent to the base station from the Test Box through RS-232 cable.
- (8) Click [DSP ON] at the bottom and wait for a while till the program stops.
- (9) Remove RS-232C cable from the base station.

3. How to set Channels

3.1 Operation to change the channels over the different bands. (Needs reset)

- (1) Click [Reset] at the bottom of the Test Box3 screen.
- (2) Set the Channel Number again.
- (3) Click [OK].
- (4) Click [DSP ON]

3.2 Operation to change the channels within the same band. (No reset)

- (1) Set the Channel Number again.
- (2) Click [OK].

4. How to set Transmission Power and other parameters than Channel Setting.

- (1) Set the Transmission Power etc. again.
- (2) Click [OK].

* When Transmission-IM is measured, Set [Modulation] OFF.